

Title (en)

MACHINE HEAD FOR PACKING MACHINE AND PACKING MACHINE

Title (de)

MASCHINENKOPF FÜR EINE VERPACKUNGSMASCHINE UND VERPACKUNGSMASCHINE

Title (fr)

TÊTE DE MACHINE POUR MACHINE À EMBALLER ET MACHINE À EMBALLER

Publication

EP 4137418 A4 20231122 (EN)

Application

EP 20930965 A 20200716

Priority

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- CN 2020102228 W 20200716

Abstract (en)

[origin: EP4137418A1] The present invention provides a head for a strapping machine and a strapping machine. The head for a strapping machine comprising: a mounting base; a sealing assembly including a cutter and a sealing element, the sealing element is used for welding a strapping tape, and the cutter is used for cutting the strapping tape; the sealing assembly further comprises a first clamping mechanism, a second clamping mechanism and a third clamping mechanism, the first clamping mechanism, the second clamping mechanism and the third clamping mechanism are used for clamping the strapping tape; the sealing assembly is slidably disposed on the mounting base; a belt feeding assembly including a first motor, a driving wheel and a guide block, the guiding block is fixedly disposed on the mounting base, and the driving wheel is rotatably disposed on the mounting base and an arc-shaped belt feeding channel is formed between the driving wheel and the guide block, the first motor is used to drive the driving wheel to rotate; a driving assembly for driving the sealing assembly close to or away from the driving wheel. Apply a balanced tension to a strapping tape through a strapping machine head to improve the strapping quality of the strapping machine.

IPC 8 full level

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Citation (search report)

- [A] JP 2000168719 A 20000620 - SHIN MEIWA IND CO LTD
- [A] CN 104507813 A 20150408 - ILLINOIS TOOL WORKS
- [A] US 5155982 A 19921020 - BOEK ALFRED [DE], et al
- [A] IT UA20162753 A1 20171020 - MARCHELUZZO S R L UNIPERSONALE [IT]
- [A] CN 2628421 Y 20040728 - STATE HANGUANG MACHINERY FACTO [CN]
- [A] EP 2960163 A1 20151230 - HANGZHOU YOUNGSUN INTELLIGENT EQUIPMENT CO LTD [CN]
- [A] EP 1338515 A1 20030827 - NICHIRO KOGYO KK [JP]
- See also references of WO 2021208281A1

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DOCDB simple family (publication)

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